

Attorney Docket No. 990288

means for phase rotating coupled to the receiver and operative to receive and rotate a phase of the conditioned signal by an amount related to the determined phase rotation, wherein the phase rotator rotates the phase of the  $I_{IN}$  and  $Q_{IN}$  samples to generate phase rotated  $I_{ROT}$  and  $Q_{ROT}$  samples, the means for phase rotating comprising

first means for multiplexing operative to receive the  $I_{IN}$  and  $Q_{IN}$  samples and to provide the  $I_{IN}$  or  $Q_{IN}$  samples based on a first signal,

first means for selectively inverting the received samples based on a second signal and outputting  $I_{ROT}$  samples,

second means for multiplexing operative to receive the  $Q_{IN}$  and  $I_{IN}$  samples and to provide the  $Q_{IN}$  or  $I_{IN}$  samples based on the first signal, and

second means for selectively inverting the received samples based on a third signal and for outputting the  $Q_{ROT}$  samples.

#### REMARKS

Claims 1-26 are currently pending in the application. Claims 20, 21, 23 and 25 have been amended. Claims 1-19 and 26 have been canceled. New claims 27-28 have been added.

#### *Rejections under 35 U.S.C. §102*

The Examiner has rejected claims 1-3, 6-7, 10, 12-13, 15-19, 21, 23 and 26 under 35 U.S.C. §102(a) as being anticipated by Kurihara (GB 2345619A). Claims 1-3, 6-7, 10, 12-13, 15-19, and 26 have been canceled. Claims 21 and 23 have been amended to be dependent upon claim 20 which the Examiner indicated would be allowable if rewritten in independent form. Withdrawal of the rejection as to claims 21 and 23 is respectfully requested.

#### *Rejections under 35 U.S.C. §103*

The Examiner has rejected claim 5 under 35 U.S.C. §103(a) as being unpatentable over Kurihara in view of Kanzaki (US 5,579,346). Claim 5 has been canceled.

The Examiner has rejected claims 4, 9, 11 and 25 under 35 U.S.C. §103(a) as being unpatentable over Kurihara in view of Younis (US 6,134,430). These claims have been canceled.

The Examiner has rejected claims 8 and 24 under 35 U.S.C. §103(a) as being unpatentable over Kurihara in view of van Wechel et al. (US 6,567,833). Claim 8 has been canceled and claim 24 is dependent upon claim 23 which has been amended to be dependent upon claim 20, which the Examiner has stated would be allowable if rewritten in independent form. Claim 20 has been so amended. Thus, claim 24 should be allowable. Withdrawal of the rejection is respectfully requested.

The Examiner has rejected claim 14 under 35 U.S.C. §103(a) as being unpatentable over Kurihara in view of Norman (US 4,831,573). This claim has been canceled.

The Examiner has rejected claim 22 under 35 U.S.C. §103(a) as being unpatentable over Kurihara in view of Lundby et al. (US 6,285,655). This claim is dependent upon claim 21 which has been amended to be dependent upon claim 20, which the Examiner has stated would be allowable if rewritten in independent form. Claim 20 has been so amended. Thus, this claim should be allowable. Withdrawal of the rejection is respectfully requested.

*Allowable Subject Matter*

The Examiner has objected to claim 20 as being dependent upon a rejected base claim and indicated that it would be allowable if rewritten in independent form including all the limitations of the base claim and any intervening claims.

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Claim 20 has been amended to include the limitations of its base claim 18 and intervening claim 19. Thus, claim 20 should now be in condition for allowance. Claims 21-25 now each ultimately depend from claim 20 and should therefore also be in condition for allowance.

*Newly Added Claims*

New claims 27 and 28 contain some of the limitations of claim 20 that the Examiner stated were not found in the prior art. Thus, these claims are believed to be allowable.

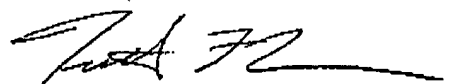
*Conclusion*

The Commissioner is hereby authorized to charge any additional fees that may be required, or credit any overpayment, to Deposit Account No. 17-0026.

Respectfully,

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By



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